

## Product datasheet for **RG220263**

### **KBTBD11 (NM\_014867) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	KBTBD11 (NM_014867) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KBTBD11
Synonyms:	KLHDC7C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG220263 representing NM\_014867  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGCACGCGGTGCCCCCTGCGTCTCTACCCAGGGACTGAGCCCGGGCTGCCGGGAGAGCGAGA  
 GCGAGGGCGCGCGTCCCGGCGCAGACACCCTGCAGTCTCGGCGCGTCCCTGTGCTTCAGCTCCGGGA  
 AGAGTCCCGCCGAGTCCCTCGCTCAGCGCGGAAGGCGCGCCACCTCCCGCCCTCCAGCGGTGGC  
 CCGCGGGTGGTGGAGCGCAGTGGGAGGCGGAGCGCGGGCGCGCTCCCGGAGGAGCTCGCTCCC  
 CTGAGGAGCGCGTCCCGGAAGAGCCCGGCGCCGTCACCCGGGGTTCGGGGCGGTGTACGGGAGCCG  
 CGCTCCCGGAGGAGCCGGGAGCCCGCCGTAACCCGGGGTTCGGGGCGGTGTACGGGAGCCG  
 GACCTGGTGTGGAGGTGTGGGGCGCGGCTGCGCGCGACAAGGCGGTGTGGCGGCGCGAGCGACT  
 ACTTCCGCGCGCGCTCGCGGAGCTGCTGCGGTGCAGGGAGTGAGCCTGACGGCGTGGCGGTGCT  
 CCTCGCCGACGCTACAGCGGGCGATGGCGGGCTGCGGCCGACAACGTGGCCGAGGTGGTGGCCGGC  
 GCGCGCCGCTGAGCTGCCCGGCGCGCAGCGGCCACCGAGCCGTGGGGCCGAGCTGAGCCTGG  
 CCAACTGTACGAGGTCCTGAGCGCGGCAAGCGGAGCGGTGAACGAGCTGCGCGACGCCGCTACTG  
 CTTATGAGCGACCACTATCTGGAGGTGCTGCGGAGCCCGCGTGTTCGGCCGCTGTCCGGCGCAGAG  
 CGGGACCTGTGCTGCGCCGCGCTGCGCGCCGGCCGCGCCACCTCTTGGCCGCGCGCTCGGGCCGG  
 CGGGGAGCGCGGGGAGCGCGCTCAGAGCCCTCGGGGACGCGGACGCGCGGGGAGCGGGCCGT  
 CTACTGCTCCACGCGCGCGGAGAGTGGCGGAGCTGACGCGGTGCCGAGGGCGCGCGGGCGCGG  
 GGCTGCGGCTGTGCTCCTCTACAACCTACCTCTTCTGTTGCGGGCGCGGTGGCGCCCGGGCCCGG  
 CGCCGCGCGCCGCTCCGACAGGTCTTCTGCTACAACCCGCGCCAGGACAGCTGGAGCCGCTGAGGCC  
 CTTGCGCCAGGCGCGCTGCGAGCTGCGGCTGCTGGCCCTGGACGCTCACCTCTACGCCGTGGGCGCGAG  
 TGCTGCTCAGCGTGGAGCGCTACGACCCGCGCGCGGACCGCTGGGCCCGTGGCGCGCTGCCCGGG  
 GCGCTTCGCGGTGGCGATGAGGCCACCACCTGCCACGGCGAGATCTACGTGTCCGGGGCTCCCTCTT  
 CTATCGCTGCTCAAGTATGACCCGCGCGCAGAGTGGCAGGAGTGGCCGTGACGAGCAGCGCGAG  
 CGCTCGGCCGACATGGTGGCTCTCGACGGTTCATCTACCGCTTCGATCTGAGCGGACCGCGGCGAGG  
 CGCAGGCGCGGGGCGGAGCGGGTCCAGCTGTCCGATACCACTGCCTGGCCAAGCAGTGGAGCCCGT  
 CGTCCGCGCCCTGCGCTCCCGCGGGCCCGCGGCTGCGAGCCCTCCGCTGCGCCGCTGGACGGC  
 GCCATCTACTGCTGAGCCGCGGGCACCTGGCGCTTCCAGCCTGCCCGGAAGGCGAGCCGGCGGGC  
 ACGCAGGCCAGGCGCGGCTTCGAGGCGCTGGGCGCCCTTGGACGTCGGGGTGTGCTCATCCGCT  
 CGCTCTAGCCTGCCTGAGAAGCCGCCCGAGGGGAGCAGGGCGCCCCG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG220263 representing NM\_014867  
 Red=Cloning site Green=Tags(s)

MEHAVAPCVLYPTEPGAAGESESEGAASPAQTPCSLGASLCFSSGEEPPQSLASAAEGAATSPSSGG  
 PRVVERQWEAGSAGAASPEELASPEERACPEEPAAPSPEPRVWLEDPASPEEPGEPAPVPPFGAVYGE  
 DLVLEVSGRRLRAHKAVLAARSDYFRARASRDVLRVQVSLTALRLLADAYSGRMAGVVRPNVAEYVAG  
 ARRLQLPGAAQRATDAVGPQLSLANCYEVL SAAKRQRLNELRDAAYCFMSDHYLEVLREPAVFGRLSGAE  
 RDLLRRRLRAGRAHLLAAALGPAGERAGSRPQSPSGDADARGDAAVYCFHAAAGEWRELTRLPEGAPAR  
 GCGLCVLYNYL FVAGGVAPAGPDGRARPSDQVFCYNPATDSWSAVRPLRQARSQRLLLALDGHLYAVGGE  
 CLLSVERYDPRADRWAPVAPLPRGAFAVAHEATTCHGEIYVSGGSLFYRLKYPDRRDEWQECPCSSRE  
 RSADMVALDGF IYRFDL SGRGEAQAAGPSGVSVSRHCLAKQWSPCVAPLRLPGGPTGLQPFRCAALDG  
 AIYCVSRAGTWRFQAREGEAGGDAGQGGGFEALGAPLDVRGVLIPFALSLEKPPRGEQAGP

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI



**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_014867.3](#)

**RefSeq Size:** 6706 bp

**RefSeq ORF:** 1872 bp

**Locus ID:** 9920

**UniProt ID:** [O94819](#)

**Cytogenetics:** 8p23.3

**Domains:** BTB, Kelch